FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

10894 7375 319

1. Manufactured by MANCHESTER TANK & EQUIP. CO. OF TEXAS - BOX 1338 LUBBOCK, TEXAS 79408 (Name and address of Manufacturer)

2. Manufactured for Quincy Compressor Co., Quincy, Illinois (Name and address of Purchaser)

3. Type Horiz (Horiz. or Vert.) Vessel No. SAME AS (NAT'L BRD.) (Mfrs. Serial) (State & State No.)) Natl. Bd. No. 160909 Yr. Built 1973

4 SHELL: Design Matl. SA 455A (Kind and Spec. No.) T.S. 75,000 (Fig. or F.B. & Spec. Min. T.S.) Nom. Thk. .2187 in. Corr. Allow 1/6T. Diam. 30 O.D. in. Length 75.5 in.

5. SEAMS: Long BUTT (Welded, Dbl., Single, Lap, Butt) H.T. NO (Yes or No) X.R. SPOT (Spot or Complete) Sectioned NO (Yes or No) Efficiency 85 %

Girth SNGL. OFFSET H.T. NO X.R. SPOT Sectioned NO No. or Courses 1

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Design Material SA-455-A T.S. 75,000 (b) Design Material T.S.

	Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Eliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	2 ENDS	.232			2:1				CONCAVE
(b)									

7. Constructed for max. allowable working press.[2] 200 psi. at max. temp. 650 °F. Min. temp. (when less than-20°) °F. Hydrostatic / Pneumatic or / Combination Test Press. 300 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 1/4" MIN. Location TOPSIDE

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Design Material	Thickness	Reinforcement Material	How Attached
IN & OUT	8	1/4" - 3"	COUP-FORG.	SA 105-2		INHERENT	FUSION WELD
LINES 8 & 10	3	1/4" - 3"	COUP-FORG.	SA 105-2		INHERENT	FUSION WELD

10. INSPECTION OPENINGS: Manholes, No. Size. Location

Handholes, No. Size Location

Threaded, No. 2 Size 2" Location End

11. SUPPORTS: Skirt NO (Yes or No) Lugs (Number) Legs 2 (Number) Other TopPlate Describe Attached FUSION WELD (Where & How)

12. REMARKS: AIR RECEIVER VESSEL WG- 209

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.-State Contents)

1. If postweld heat-treated.
2. List other internal or external pressures with coincident temperature when applicable

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Unfired Pressure Vessels.

Date October 5, 19 73 Signed MANCHESTER TANK & EQUIP. CO. OF TEXAS (Manufacturer) By Roger Favor (Roger Favor)

Certificate of Authorization Expires DECEMBER 31, 1975 License No. 3139

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Manchester Tank & Eqpt. Co. of Texas at Lubbock, Texas

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Arkansas, Texas and employed by Lumbermens Mutual Casualty Co. of Long Grove, Illinois have inspected the pressure vessel described in this manufacturer's data report on October 5, 19 73, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date October 5, 19 73

Robert H. McGee (Inspector's Signature)

Commission Texas 784 National Board 4804 (State or Natl Bd. & Number)